STAIRVILLE

# SF-1000

## fog machine

th•mann
MUSIC IS OUR PASSION

user manual

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# 1 General notes

This user manual contains important information on safe operation of the device. Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to other users, be sure that they also receive this manual.

Our products are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

**Symbols and signal words**

This section provides an overview of the symbols and signal words used in this user manual.

| Signal word | Meaning |
|---|---|
| **DANGER!** | This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided. |
| **WARNING!** | This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided. |
| **CAUTION!** | This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided. |
| **NOTICE!** | This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided. |

| Warning signs | Type of danger |
|---|---|
| | Warning – high-voltage. |
| | Warning – flammable substances. |
| | Warning – hot surface. |
| | Warning – suspended load. |
| | Warning – harmful or irritating substances. |

| Warning signs | Type of danger |
| --- | --- |
| | Warning – danger zone. |

# 2 Safety instructions

**Intended use**

This device is intended to be used to produce artificial fog by vaporising fog fluid. Use the device only as described in this user manual. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

This device may be used only by persons with sufficient physical, sensorial, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

**Safety**

**DANGER!**

**Danger for children**

Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard!

Ensure that children do not detach any small parts (e.g. knobs or the like) from the unit. They could swallow the pieces and choke!

Never let children unattended use electrical devices.

**DANGER!**

**Electric shock caused by high voltages inside**

Within the device there are areas where high voltages may be present. Never remove any covers.

There are no user-serviceable parts inside.

**DANGER!**

**Electric shock caused by short-circuit**

Always use proper ready-made insulated mains cabling (power cord) with a protective contact plug. Do not modify the mains cable or the plug. Failure to do so could result in electric shock/death or fire. If in doubt, seek advice from a registered electrician.

**WARNING!**

**Risk of burns from flammable liquids**

The use of flammable liquids in this device may cause severe burns and damage to property.

Always use approved fog fluids. Never fill flammable liquids into the tank of the device.

**WARNING!**

**Risk of burns**

The generated fog at the fog nozzle is hot and can cause burns. Occasionally hot fluid drops may escape from the nozzle.

The distance of persons and objects to the fog nozzle must be at least one metre (3.3 feet).

Do not touch the fog nozzle during and shortly after operation. It becomes very hot and may cause burns even several hours after switching off the device.

**WARNING!**

**Risk of slipping caused by condensation**

Fog machines can produce condensation. Do not direct the fog to floors. Floors and surfaces can become slippery by condensed fog.

Check at regular intervals whether it is possible to walk on the floors without a slipping hazard, and, if necessary, remove the condensation.

**WARNING!**

**Health hazard caused by fog fluid handling**

Fog fluid does contain glycols complying with the regulations for foodstuffs. However, it may be harmful if swallowed.

Do not induce vomiting. Seek medical advice immediately. Keep fog fluid in a safe place. If the fog fluid comes into contact with eyes rinse thoroughly with water.

**CAUTION!**

**Possible respiratory problems**

The device can be operated safely only with the approved fog fluid. The use of other fluids can release toxic gases. Claims for damages caused by the use of non-approved fluids shall be excluded.

Do not create fog in closed or poorly ventilated areas.

Do not expose persons with health problems (such as allergic respiratory conditions, asthma) to artificial fog.

**NOTICE!**

**Risk of fire**

Do not cover the device nor any ventilation slots. Do not place the device near any direct heat source. Keep the device away from naked flames.

**NOTICE!**

**Operating conditions**

This device has been designed for indoor use only. To prevent damage, never expose the device to any liquid or moisture. Avoid direct sunlight, heavy dirt, and strong vibrations.

**NOTICE!**

**Power supply**

Before connecting the device, ensure that the input voltage (AC outlet) matches the voltage rating of the device and that the AC outlet is protected by a residual current circuit breaker. Failure to do so could result in damage to the device and possibly injure the user.

Unplug the device before electrical storms occur and when it is unused for long periods of time to reduce the risk of electric shock or fire.

# 3 Features

This fog machine is suitable for use in clubs, bars, discotheques and on stages.

Special features of the device:

- Remote control included
- Suitable for mobile use
- Large fog fluid container

# 4 Installation

Unpack and check carefully there is no transportation damage before using the unit. Keep the equipment packaging. To fully protect the device against vibration, dust and moisture during transportation or storage use the original packaging or your own packaging material suitable for transport or storage, respectively.

**WARNING!**

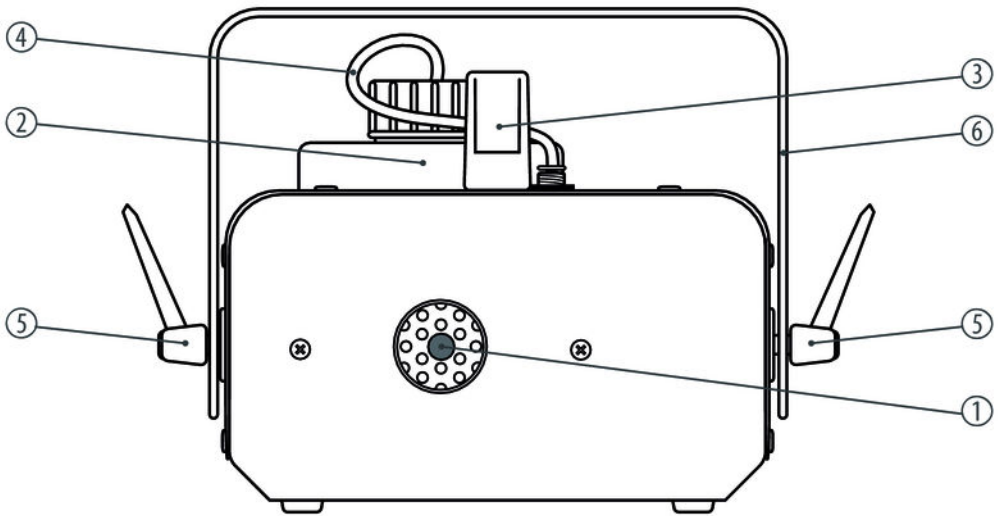
**Risk of injury caused by falling objects**

Make sure that the installation complies with the standards and rules that apply in your country. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

You can install the device on the wall, the ceiling or on the floor. The device must not be positioned with more than 15° inclination during operation. The unit requires 20 cm clearance on the sides and above.

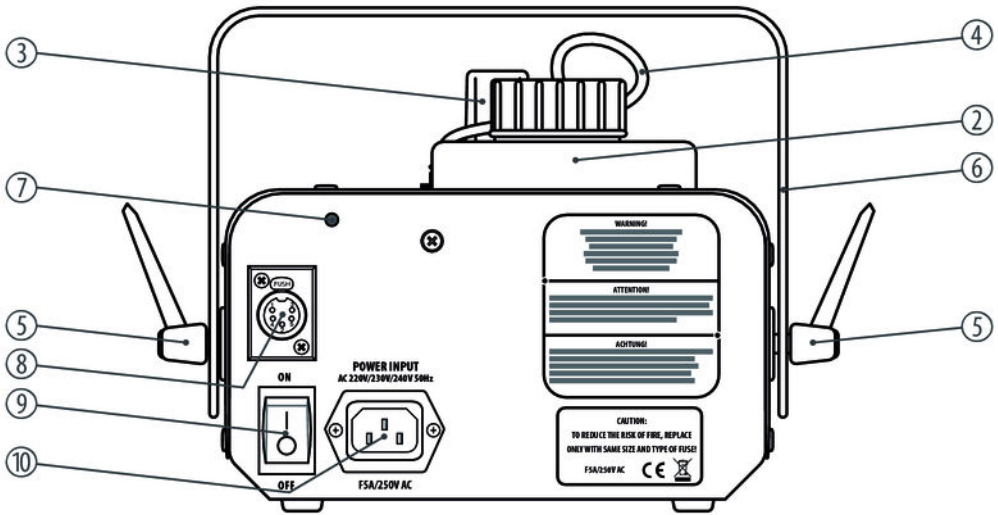
# 5 Connections and operating elements

**Front panel**



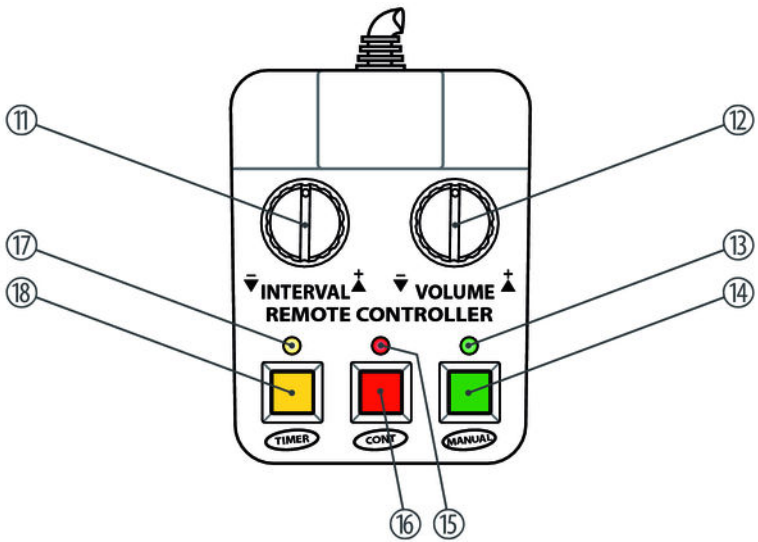
| | |
|---|---|
| 1 | Fog nozzle. |
| 2 | Fluid container with screw-cap. |
| 3 | Carrying handle. |
| 4 | Fog fluid feed line from fluid container to vaporiser. |
| 5 | Tommy screws to adjust the bracket. |
| 6 | Bracket for hanging. |

**Rear panel**


3
4
2
6
7
5
8
9
10
5
DMX
ON
OFF
POWER INPUT
AC 220V/230V/240V 50Hz
F5A/250V AC
WARNING!
ATTENTION!
ACHTUNG!
CAUTION:
TO REDUCE THE RISK OF FIRE, REPLACE
ONLY WITH SAME SIZE AND TYPE OF FUSE!
F5A/250V AC

| | |
|---|---|
| 2 | Fluid container with screw-cap. |
| 3 | Carrying handle. |
| 4 | Fog fluid feed line from fluid container to vaporiser. |
| 5 | Tommy screws to adjust the bracket. |
| 6 | Bracket for hanging. |
| 7 | This LED indicates that the unit is warming up. |
| 8 | Connection for the remote control. |
| 9 | Main switch to turn the device on or off |
| 10 | **POWER INPUT**<br>IEC chassis connector with fuse holder for operating voltage supply. |

**Remote control**



| | |
|---|---|
| 11 | Rotary control **INTERVAL**<br>This control lets you adjust the time interval between two fog outputs in a range of 10 to 200 seconds. |
| 12 | Rotary control **VOLUME**<br>With this control you can set the amount of fog per output to be produced (between 0 % and 100 %). |
| 13 | The green status LED indicates that the unit has reached the required operating temperature for fog generation |
| 14 | Button **MANUAL**<br>Press this button to output the maximum amount of fog regardless of the other settings. |
| 15 | The red LED indicates that the device is heating up. |
| 16 | Push button **CONT**<br>Press this button to turn continuous operation on or off. In this mode, that amount of fog is continuously output which you have set with the **VOLUME** control. |
| 17 | The yellow LED indicates that the Timer function is active. |
| 18 | Push button **TIMER**<br>Use this switch to turn the Timer function on or off. In this mode, the amount of fog set by the **VOLUME** control is output within the time intervals that you have set with the **INTERVAL** control. |

# 6 Operation

**Filling the unit**

**NOTICE!**

**Possible damages caused by unsuitable fog fluid**

Fog liquids not approved by the manufacturer may permanently damage the unit.

Only use the fog fluids listed on *www.thomann.de* and follow their instructions for use.

First, make sure the unit is switched off.

Open the screw-cap of the container and fill in the fog fluid. Make sure that no fluid is spilled or gets into the device. The easiest way is using a funnel. The container capacity is 1.5 litre.

Screw the cap firmly back in.

**Turning the unit on**

**NOTICE!**

**Fire hazard**

Do not operate the machine unattended.

Make sure that the remote control is connected.

Connect the device to the power grid and turn it on with the main switch. The red LEDs on the unit and the remote control light up, thus indicating that the unit is heating up.

As soon as the required operating temperature is reached, the green LED on the remote control lights up. The unit is now operational.

**Operating modes**

The device supports the following operating modes which can be selected with the remote control:

- Manual operation with maximum amount of fog

  Press the **MANUAL** button. This mode takes precedence over all others. That means that you don't have to turn off the timer function and continuous operation before you press the button.
- Continuous operation with adjustable fog output

  In this mode, the amount of fog that you have set with the **VOLUME** control is ejected uniformly. Press the **CONT** switch to turn this mode on or off.
- Timer controlled operation with adjustable fog output

  In this mode, the amount of fog that you have set with the **VOLUME** control is periodically ejected (adjustable with the **INTERVAL** control). Press the **TIMER** switch to turn this mode on or off. The yellow LED lights up when the timer function is active. Each fog ejection lasts for about 13 seconds.

When the fog fluid in the container is depleted, the pump is automatically turned off. Once you fill up the fog fluid, the pump is turned back on again.

**Turning the unit off**

Turn off the power using the main switch. Transport the device only when it is completely cooled down. To avoid leaking fog fluid during transport, you should transport the device only with empty fluid container.

# 7 Technical specifications

| | |
|---|---|
| Heater power | 1.000 W |
| Fog output | approx. 280 $m^3$/min |
| Fluid container capacity | 1.5 l |
| Warm-up time | approx. 5 min |
| Fuse | 3.15 A / 250 V, fast-acting |
| Dimensions (W × D × H) | 220 mm × 440 mm × 230 mm |
| Weight | 8 kg |

# 8 Troubleshooting

In the following we list a few common problems that may occur during operation. We give you some suggestions for easy troubleshooting:

| Symptom | Remedy |
|---|---|
| The unit does not work | Check the mains connection and the main fuse. |
| The unit does not eject any fog | 1. Check the fluid level in the fog container. |
| | 2. Check the connection to the remote control. |
| | 3. Switch the device off and check the hose that leads into the fluid container for flow. |

If the procedures recommended above do not succeed, please contact our Service Center. You can find the contact information at *www.thomann.de*.

# 9 Cleaning

**NOTICE!**

**Possible damages caused by unsuitable cleaning agents**

Cleaners not approved by the manufacturer may permanently damage the unit.

Only use the fog machine cleaners listed on *www.thomann.de* and follow their instructions for use.

Clean the appliance after every 30 operating hours, or if it was not in use for a longer period of time.

**Procedure**

1. Make sure that the device is turned off, disconnected from the mains and completely cooled down.
2. Place the unit in a well ventilated place.
3. If there's still fog fluid present in the device, pour it out and fill the fog machine cleaner into the fluid container

4. Connect the device to the mains and turn it on with the main switch. The red lights on the device and on the remote control light up and thereby indicate that the unit heats up.

5. As soon as the required temperature is reached, the green LED on the remote control lights up.

   Use the **CONT** switch to switch the unit to continuous operation and wait until the fluid container is empty.

6. The cleaning is completed. Turn the power off and wait until the unit is fully cooled down before you fill in fog fluid again.

# 10 Protecting the environment

**Disposal of the packaging material**

For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling.

Ensure that plastic bags, packaging, etc. are properly disposed of.

Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.

**Disposal of your old device**

This device is subject to the European directive 2002/96/EC.

Do not dispose of the device with your normal household waste.

Dispose of this device through an approved waste disposal firm or through your local waste facility. When discarding the device, comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.